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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete If Known</b>	
				Application Number	10/660/976
				Filing Date	09/11/2003
				First Named Inventor	Franco Vitaliano
				Group Art Unit	1631
				Examiner Name	Russell S. Negin
Sheet	1	of	5	Attorney Docket Number	

U.S. PATENT DOCUMENT						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (# known)			
RSN		7,112,330		Buonamassa, et al	09/26/2006	
		7,105,303		Ralston, et al	09/12/2006	
		7,094,409		Bachmann, et al	08/22/2006	
		RE39,229		Choo, et al	08/08/2006	
		7,060,291		Meers, et al	06/13/2006	
		7,063,860		Chancellor, et al	06/20/2006	
		7,048,949		Sligar, et al	05/23/2006	
		7,112,337		Huang, et al	09/26/2006	
		7,108,863		Zalipsky, et al	09/19/2006	
		7,101,570		Hope, et al	09/05/2006	
		7,101,532		Aikawa, et al	09/05/2006	
		7,037,520		Smyth Templeton	05/02/2006	
		7,033,834		Valerio, et al	04/25/2006	
		7,108,915		Adams, et al	09/19/2006	
		7,113,967		Cleve, et al.	09/26/2006	
		7,113,598		Flusberg, et al.	09/26/2006	
		7,019,875		Pittman, et al.	03/28/2006	

[illegible]

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
RSN		W. ALT, ET AL; A NEUTRAL ATOM QUANTUM REGISTER; INSTITUT FÜR ANGEWANDTE PHYSIK DER UNIVERSITÄT BONN, 2004	
RSN		L. F. WEI, AND F. NORI; COHERENTLY MANIPULATING TWO-QUBIT QUANTUM INFORMATION USING A PAIR OF SIMULTANEOUS LASER PULSES; EUROPHYS. LETT., 65 (1), PP. 1-6 (2004) DOI: 10.1209/EPL/12003-10053-Y, EUROPHYSICS LETTERS	
RSN		CHRISTIAN F. ROOS, ET AL; CONTROL AND MEASUREMENT OF THREE-QUBIT ENTANGLED STATES; 4 JUNE 2004 VOL 304 SCIENCE	
RSN		H. C. NAGERL, ET AL; LASER ADDRESSING OF INDIVIDUAL IONS IN A LINEAR ION TRAP; PHYSICAL REVIEW A VOLUME 60, NUMBER 1 JULY 1999	
RSN		SAMUEL L. BRAUNSTEIN AND JOHN A. SMOLIN (AUGUST 28, 2006); PERFECT QUANTUM ERROR CORRECTION CODING IN 24 LASER PULSES; ARXIV:QUANT-PH/9604038 V2 22 OCT 1996	
RSN		DEBABRATA GOSWAMI; QUANTUM COMPUTATION WITH ULTRAFAST LASER PULSE SHAPING; RESONANCE, JUNE 2005	
RSN		J. J. GARCIA-RIPOLL, ET AL; SPEED OPTIMIZED TWO-QUBIT GATES WITH LASER COHERENT CONTROL TECHNIQUES FOR ION TRAP QUANTUM COMPUTING; VOLUME 91, NUMBER 15, PHYSICAL REVIEW LETTERS, 10 OCTOBER 2003	
RSN		W J MUNRO, K NEMOTO AND T P SPILLER; WEAK NONLINEARITIES: A NEW ROUTE TO OPTICAL QUANTUM COMPUTATION; NEW JOURNAL OF PHYSICS 7 (2005) 137, 27 MAY 2005	
RSN		ALIVISATOS, AP; SEMICONDUCTOR CLUSTERS, NANOCRYSTALS, AND QUANTUM DOTS; SCIENCE, PP. 933-937, 1996	
RSN		ARTEMYEV, M. V. WOGGON, QUANTUM DOTS IN PHOTONIC DOTS, APPLIED PHYSICS LETTERS, 2000	

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RSN		BROWN, K.R., D. A. LIDAR, AND K. B. WHALEY, QUANTUM COMPUTING WITH QUANTUM DOTS ON QUANTUM LINEAR SUPPORTS, PHYSICAL REVIEW A, VOLUME 65, 2001	
RSN		DEBRAY, P. ET AL. BALLISTIC ELECTRON TRANSPORT IN STUBBED QUANTUM WAVEGUIDES: EXPERIMENT AND THEORY. PHYS. REV. B 61, 10950±10958 (2000).	
RSN		SANTORI, ET AL; INDISTINGUISHABLE PHOTONS FROM A SINGLE-PHOTON DEVICE; LETTERS TO NATURE, 2002; YAMAMOTO QUANTUM ENTANGLEMENT PROJECT, ICORP, JST, E. L. GINZTON LABORATORY, STANFORD UNIVERSITY).	
RSN		HARNEIT, W., FULLERENE-BASED ELECTRON-SPIN QUANTUM COMPUTER, PHYSICAL REVIEW A, VOLUME 65, 032322, RECEIVED 11 OCTOBER 2001; PUBLISHED 27 FEBRUARY 2002	
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RSN		MICHLER, P., KIRAZ, A., A QUANTUM DOT SINGLE-PHOTON TURNSTILE DEVICE, SCIENCE, DEC. 2000	
RSN		KNILL, LAFLAMME, MILBURN, EFFICIENT LINEAR OPTICS QUANTUM COMPUTATION, NATURE 409, 46, 2001)	
RSN		MICHLER, P., A. , ET AL; QUANTUM CORRELATION AMONG PHOTONS FROM A SINGLE QUANTUM DOT AT ROOM TEMPERATURE, NATURE, AUGUST 2000	
RSN		RALPH, T.C, ET AL; SIMPLE SCHEME FOR EFFICIENT LINEAR OPTICS QUANTUM GATES, PHYSICAL REVIEW A, VOLUME 65, DECEMBER 2001	
RSN		BRUN, T., WANG, H., COUPLING NANOCRYSTALS TO A HIGH-Q SILICA MICROSPHERE: ENTANGLEMENT IN QUANTUM DOTS VIA PHOTON EXCHANGE, ARXIV:QUANT-PH/9906025	
RSN		LIANG, ET AL: FABRY-PEROT INTERFERENCE IN A NANOTUBE ELECTRON WAVEGUIDE, LETTER TO NATURE, NATURE, VOL. 411, 7 JUNE 2001	

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RSN		MEKIS, A., J. ET AL; RAY CHAOS AND Q-SPOILING IN LASING DROPLETS, PHYS. REV. LETT. 75, 2682 (1995)	
RSN		NOCKEL, J. U., ET AL; Q-SPOILING AND DIRECTIONALITY IN DEFORMED RING CAVITIES, OPTICS LETTERS 19, 1693 (1994)	
RSN		NOCKEL, JENS., A. DOUGLAS STONE, CHAOTIC LIGHT: A THEORY OF ASYMMETRIC RESONANT CAVITIES ARXIV:PHYSICS/0203063 V1 21 (MAR 2002)	

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